

WIRELESS REAR VIEW CAMERA

USER'S MANUAL

FEATURE

NEW 410k pixels / 560 TV lines

You can use the camera by a DC 12V / 150mA, 24V / 100mA

The camera utilizes a 1/3" Sony CCD II image sensor having a high sensitivity

Water-resistant housing [IP 67]

Operates over a wide range, of input voltage DC 9V - DC 30V

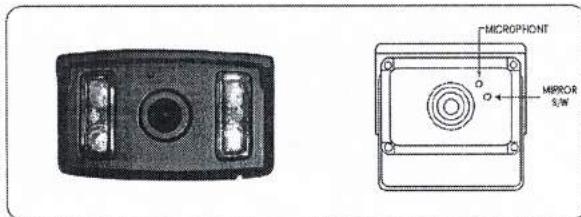
Excellent View at low illumination

Special Anti-fog coating on the glass

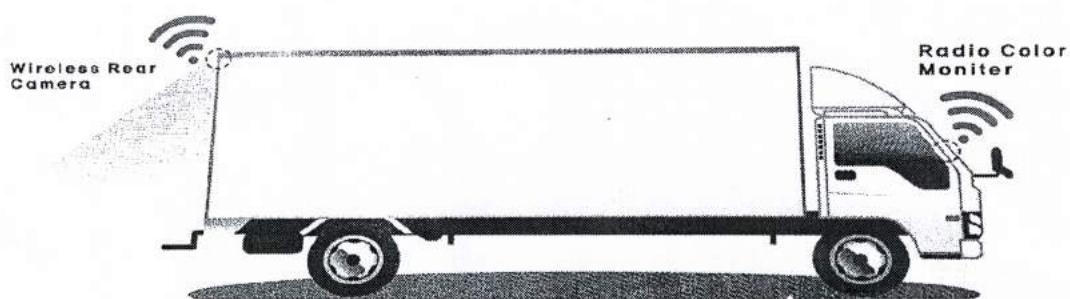
Waterproof Connect O-RS ensures water tightness

Rainproof Microphone by rubber diaphragm of Mic. Cover

2.4Ghz Wire Less Rear Camera

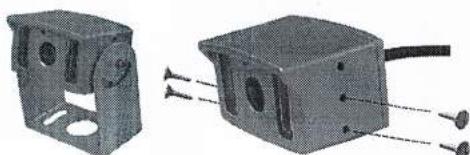


Configuration



CAMERA INSTALLATION

Attach the supplied mounting bracket to the vehicle.
Adjust the angle of the camera and fasten the screws firmly.



CAUTION

BEFORE MAKING THE CONNECTION, DISCONNECT THE GROUND TERMINAL FROM THE BATTERY FOR AVOIDING SHORT CIRCUITS.

THE PLUGS SHOULD BE FULLY INSERTED THE CONNECTORS OR JACKS.
A LOOSE CONNECTION MAY CAUSE MALFUNCTIONING OF THE UNIT.

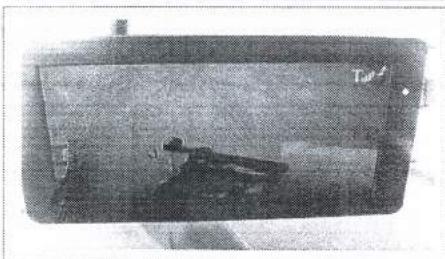
SPECIFICATION

ITEM	RCS-5000R
Image Sensor	1/3" SONY SUPER HAD CCD, [High Sensitivity CCD II] 270k / 410k / 520k Pixel
Effective Pixel	[H]811X[V]508 [NTSC] / [H]795X[V]506 [PAL]
Scanning System	21 Interlacing / 525 Lines[NTSC] , 625 Lines(PAL)
Radio Frequency	2.4GHz(2414~2468MHz)
Power Output	10mw. max.
Sync. System	Internal Sync
Scanning Frequency	NTSC : [H]15.734 KHz x [V]59.94 Hz PAL : [H]15.625 KHz x [V]50 Hz
Horizontal Resolution	More Than 520 / 580 TV Lines
Video Output	VBS 1.0 Vp-p ± 10% / 75Ω
S/N Ratio	50 dB Min [ACC off, Y signal]
Min. Illumination	0.01 Lux at F 1.4 AGC ON
Lens	f=2.9mm , View 155° [Dia.] (Opt.120°)
Gain Control	Automatic Gain Control
Gamma	γ = 0.45
Shutter Speed	Electronic Auto Iris
Input Voltage	1/50 ~ 1/100,000 : PAL/1/60 ~ 1/100,000 : NTSC
Ambient Temperature	DC 9V ~ 30V, [DC 12V, 150mA MAX] [DC 24V, 100mA MAX]
MIRROR	-20 ° C ~ 70 ° C, 85%RH
BLC	ON / OFF
IR LED	YES
Night View Distance	850nm IR LEDs 5EA / CDS Sensor 1EA
MIC	Outdoor 10m
Housing Color	44dB(Opt.)
Connector	Black, silver
Weight	4-Pin Din , 5.5mm Dc Jack, RCA(m)
IP Resistance	Approx. 474g
Approval	Certified IP 67 Level

Design and specifications are subject to change without notice.

Product Installation Sequence

7. After installing the camera and transmitter of the vehicle, Install the monitor using geochidae and sigeo jacks on the driver's side.



8. After installing, turn off the back lights and reverse lights to check if the product operates normally.

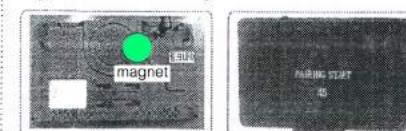
Inoperable(Wait Tx Signal) mode of action

► Please follow this action when the camera is inoperable (Wait Tx Signal)

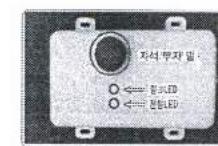
1. When power is cycled, when the motion is inoperable (Wait Tx Signal), the pair must be paired with a magnet.



2. First of all, you will see a yellow light on the back side of the monitor screen for 5 seconds, flashing link LED, and then PAIRING START will appear.(50sec~1min) If the link LED does not flash for 5 seconds, reverse the magnet and reverse the magnet.



3. After running paragraph 2, close the magnet under receiver 'r' lettering, the right side of LED flashes blinking, and SAVE DATA screen will display



4. 2 and 3 are completed, the screen will be displayed 2 to 3 seconds after the SAVE DATA is displayed.

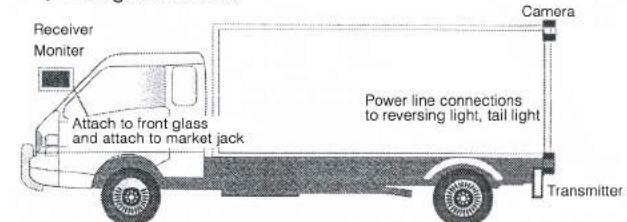


5. When shipped from the factory, the monitor receiver and transmitter are shipped together, but occasionally there is a (wait Tx signal)phenomenon.

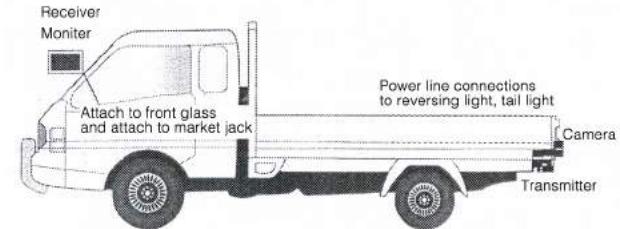
Please use the above measures only if you experience a (Wait Tx Signal)

Wiring diagram

► Refrigerated truck



► Cargo truck



► Depending on your needs, the installation location might vary. Special vehicles such as trailer, tank lorry, etc. Please contact customer center or dealer

Camera specification

Item	Details
Product Name	RCS 5000R
Image Device	1/3" Super HAD CCD
Picture Element	768(H) * 494(V) approx 380,000 pixels
Dimension	79mm * 44mm * 44mm
Signal Format	Composite Video NTSC
Video out	Video out
Horizontal Resolution	Horizontal Resolution
Lens	Lens
Lens Focal length	2.9mm ±5%
Lens Relative Aperture	F=2.0 ±5%
Operating Voltage	DC 7V ~ 33V
Operating Temperature	-30°C ~ 70°C at DC24V
Power Consumption	Max 80mA at DC 24V
Mini Illumination	MO Lux (day LED off) / 0.5~1 Lux (night LED on)
Waterproof	IP69K waterproof
Weight	217g (camera only)

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.